

ORIGINAL



0000061497

57

Timothy M. Hogan (004567)
ARIZONA CENTER FOR LAW
IN THE PUBLIC INTEREST
202 E. McDowell Rd., Ste. 153
Phoenix, Arizona 85004
(602) 258-8850
thogan@aclpi.org

Attorneys for Sierra Club – Grand Canyon Chapter

BEFORE THE ARIZONA POWER PLANT AND
TRANSMISSION LINE SITING COMMITTEE

In the matter of the Application of Southern)
California Edison Company and its assignees)
in conformance with the requirements of)
Arizona Revised Statutes Sections 40-360.03)
and 40-360.06 for a certificate of)
environmental compatibility authorizing)
construction of a 500k alternating current)
transmission line and related facilities in)
Maricopa and La Paz Counties in Arizona)
originating at the Harquahala Switchyard west)
of Phoenix, Arizona and terminating at the)
Devers Substation in Riverside County,)
California.)

Case No. L-00000A-06-0295-00130

NOTICE OF FILING

Arizona Corporation Commission
DOCKETED

SEP 18 2006

DOCKETED BY

nr

Notice is hereby given that the Sierra Club - Grand Canyon Chapter has filed the
attached resumes for its witnesses in this proceeding as well as brief summaries of their
testimony. Also filed and attached to this notice are copies of photographs that will be used as
exhibits in connection with the testimony provided by Sandy Bahr.

AZ CORP COMMISSION
DOCUMENT CONTROL

2006 SEP 18 P 3:14

RECEIVED

1 RESPECTFULLY SUBMITTED this 18th day of September, 2006.

2 ARIZONA CENTER FOR LAW IN
3 THE PUBLIC INTEREST

4 By

5 Timothy M. Hogan

6 202 E. McDowell Rd., Suite 153

7 Phoenix, Arizona 85004

8 Attorneys for the Sierra Club - Grand
9 Canyon Chapter

10 ORIGINAL and 25 COPIES of
11 the foregoing filed this 18th day
12 of September, 2006, with:

13 Docket Control – Utilities Division
14 Arizona Corporation Commission
15 1200 W. Washington
16 Phoenix, AZ 85007

SANDRA L. BAHR

OBJECTIVE

To work in a challenging and interesting environment, with opportunities for self-direction, growth, and advancement, where my organizational, political, public relations and communications skills can be utilized effectively to promote environmental protection.

SKILLS AND EXPERIENCE

Project Management – includes developing a project plan and directing it through completion; performing background research; contracting for focus groups and polling; writing and editing grants, follow-up reports, newsletters, and opinion pieces; developing and making presentations to national groups and potential financial donors. Skills and experience also include coordinating issue, candidate, and independent expenditure campaigns at the local, state, and national level and comprise:

- developing and implementing campaign plans;
- coordinating petition drives and get-out-the-vote activities;
- recruiting, training, and supervising volunteers and staff, plus hiring subcontractors;
- conducting legal, political, and issue research;
- developing and coordinating media relations, including appearances on television and radio;
- and public event planning.

Communications – includes significant public speaking experience before small and large groups, the media – television, radio, and newspapers, and the Arizona Legislature. Also includes writing and editing grants, newsletters, and newspaper and newsletter articles, fundraising letters, letters to the editor, opinion pieces, news releases, legislative testimony, and comments on administrative actions.

Fundraising – includes writing and obtaining grants for special projects; seeking funds from individual donors via letters, telephone conversations, and meetings, plus writing and coordinating direct mail fundraisers. Also includes event planning and coordination.

Research – includes legal, political and general research on environmental issues, laws and regulations, plus political research related to the influence of money in politics.

Legislative Relations – includes direct lobbying, encouraging and training volunteers to participate in the process, developing a legislative strategy, preparing and giving testimony at committee meetings, composing and mailing legislative updates, representing organizations on committees, task forces, and panels; working with the media, state and local agencies and officials, and other organizations.

Computer skills – includes proficiency with word processing, spread-sheet, database, and electronic mail programs for both Windows and Macintosh systems.

Engineering/Surveying – includes project management; training and supervising the work of several staff including field crews; meeting with clients, attorneys, architects, and a variety of state and local officials; writing reports and developing plans for erosion and sediment control and drainage; and computing survey data and performing design work.

Teaching/Training – includes mentoring for Prescott College's adult program, tutoring English, conducting training and workshops on campaign and lobbying skills, wildlife, environmental laws, energy issues, and forest planning; and supervising and mentoring interns and volunteers.

EMPLOYERS

January 1998 to present — Conservation Outreach/Chapter Director, Sierra Club - Grand Canyon Chapter, Phoenix, Arizona

July 1997 to December 1997 – Executive Director, McDowell Sonoran Land Trust, Scottsdale, Arizona

January 1994 to July 1997 -- Legislative liaison and political consultant, self-employed. Contracted for conservation organizations including Arizona Audubon Council, National Audubon Society, the Southwest Forest Alliance, Americans for the Environment (a special grant-funded project), plus two referenda committees.

January to December 1993 – Assistant, Arizona Common Cause, Phoenix, Arizona

April 1987 to January 1992 – Freelance writer and political consultant, self-employed. Wrote for *The Chandler Independent* and worked on congressional, legislative, and city council campaigns.

August 1983 to February 1987 – Surveying Assistant, Hallisey & Herbert Civil Engineers and Land Surveyors, Wethersfield, Connecticut

EDUCATION

Bachelor of Arts in Environmental Studies, Prescott College, 220 Grove Avenue Prescott, AZ 86301

Associate in Applied Science in Civil Engineering Technology, Michigan Technological University, Houghton, Michigan 49931

Continuing education includes workshops on water, wildlife, urban planning and various conservation issues, as well as on fundraising and managing non-profits.

OTHER ACTIVITIES AND ACCOMPLISHMENTS

- Governor's Climate Change Advisory Committee, 2005-2006
- Cost Evaluation Working Group for Arizona's Environmental Portfolio Standard, 2002-2003
- Environmental Award for Outstanding Achievement, U.S. EPA, 2004
- Visionary Award, Arizona Social Change Fund, 2000
- Member, Heritage Fund Advisory Committee 1997
- Governor's Air Quality Strategies Task Force and Groundwater Task Force 1996
- Redevelopment Advisory Committee for City of Chandler 1991-96, Chair 1996
- Regional and Chandler Transit Advisory Committees 1990, 1996
- Volunteer for desert restoration project 1992-1993
- Volunteer literacy tutor 1990-1992
- Chairperson, Grand Canyon Chapter Sierra Club 1994-1998
- Sierra Club Political Committee 1994-1997, Conservation Committee 1997
- Board member Arizona Common Cause 1994-1995 - received Special Achievement Award 1994
- Notary Public State of Arizona 1993 to present
- Mentor Prescott College 1995 to 1998

REFERENCES AND WRITING SAMPLES AVAILABLE UPON REQUEST.

The focus of my comments would be as someone who visits – camps, backpacks, hikes, watches wildlife, does service work -- wildlife refuges and other public lands and also advocates for their protection. The Proposed Devers to Palo Verde 2 Project is incompatible with the KOFA National Wildlife Refuge, because of the visual impacts to the refuge. I have seen the impacts from Devers 1 first hand and they unacceptably impair the beauty of the landscape. I have also seen the associated blading of the roads to each of the towers and the invitation that creates for off-road vehicles, plus the ongoing damage to the vegetation and potential negative impacts to wildlife.

The KOFA (after King of Arizona Mine) National Wildlife Refuge was created in 1939 and contains 665,400 acres of desert habitat. It was primarily established to protect bighorn sheep habit. It was not established to be an energy corridor. “The mission of the National Wildlife Refuge System is to administer a national network of lands and waters for the conservation, management and where appropriate, restoration of the fish, wildlife and plant resources and their habitats with the United States for the benefit of present and future generations of Americans.”ⁱ Under no circumstances is this transmission line compatible with that mission.

ⁱAmerica’s National Wildlife Refuge System, www.fws.gov/Refuges/

Ken Gunter Sweat

Department of Integrated Natural Sciences
Arizona State University at the West Campus
4701 West Thunderbird Road
Phoenix, Arizona 85306
602.543.6938
KenGSweat@asu.edu

312 East Butler Drive
Phoenix, Arizona 85020
602.674.0679
thesweatman@yahoo.com

Education:

Ph.D. Candidate: Plant Biology, Arizona State University. Explorations of using lichens to monitor air pollution.

Master of Science: Botany, Arizona State University, December 1995. *Thesis Title:* The Long-Term Effects of Fire on Cactus Communities of the Sonoran Desert of Arizona.

Bachelor of Arts: Biology/Mathematics, Claremont McKenna College, May 1990. *Thesis Title:* Plant Population Dynamics: The Effects of Offspring Dispersal and Spatial Density Variation on Interspecific Competition.

Current Teaching and Research:

Lecturer. Arizona State University West Campus; Phoenix, Arizona; 8/2000 - present. Teaching and developing curricula for Introduction to Biology (BIO 187/188 or 181/182), Modes of Biological Thought (LSC 300), Biometry (LSC/BIO 415), Flora of Arizona (LSC 309), Ecology Laboratory (LSC 322), Natural History of Arizona (BIO 300/301), Field Techniques in Wildlife Conservation Biology (BIO 415), and Comparative Plant Diversity (PLB 300). Developed and taught an integrated curriculum for Biometry and Invertebrate Biology (BIO 385) with Dr. L. Santiago.

Student course research projects have included analyzing spring snail size class distributions involving the Biometry and Invertebrate Biology classes and US Fish & Wildlife Service staff biologist M. Martinez. Individual student research projects with undergraduates have involved bioassays, urban limnology, mycology and ethnobotany.

Assistant Director: Bridges to Baccalaureate Program. 1/2005-1/2006. Assisted director and coordinator on drafting grant renewal and other administrative tasks. Developed and taught curriculum for mathematics/statistics course, PCR laboratory and botany research laboratory with projects involving bioassays, plant taxonomy and ethnobotany.

Papers and Poster Presentations:

Sweat, K.G., W. A. Iselin, S. T. Bates and T.H. Nash III. 2004. The Lichens of Parashant National Monument, Arizona: A Preliminary Study. *Journal of the Arizona Nevada Academy of Science* 37(2):85-90.

Yellowhair, B., Sweat, K.G., Gonzales, D., Prieto, C., Tavizon, A.M. March 2004. Bioassay for 2,4-D: Interaction of NaOH – Phase II. Presented at the Western Alliance to Expand Opportunities (WAESO) conference, ASU, Tempe, Az

Sweat, K.G. and Santiago, L. June 2003. Using Organismal Biology to Facilitate Teaching Statistical Techniques in the Life Sciences. Presented at the 2003 Hawaii International Conference on Statistics, Mathematics and Related Fields. Honolulu, HI

Tavizon, A., K. Sweat, D. Gonzales, M. Arballo, and B. Yellowhair. November 2002. Bioassay for 2-4, D. Presented at the Annual Biomedical Research Conference for Minority Students, New Orleans, La.

Invited Presentations:

"Evolution: Everything you wanted to know but did not know who to ask." The Secular Freethought Society of ASU. 26 February 2006. Arizona State University at the Tempe Campus, Tempe, Az.

"Lichens as Biomonitors of Heavy Metal Air Pollution." (with S.T. Bates and W. A. Iselin.) ASU Conservation Club. October 2003. Arizona State University at the Tempe Campus, Tempe, Az.

Previous Teaching and Research Activity:

Adjunct Faculty. Estrella Mountain Community College; Avondale, Arizona; 8/99 - 12/01. Mesa Community College; Mesa, Arizona; 8/98 - 10/98.

Taught Natural History of the Southwest (BIO 109/110), Biology for Allied Health Majors (BIO 156) and Biology for Nonmajors (BIO 100 & BIO 102) lecture and laboratory sections. Developed laboratory curricula for BIO 109/110 and BIO 156.

Math Instructor. Trevor G. Browne High School; Phoenix, Arizona; 8/99 - 5/2K. Developed and implemented math curricula spanning the subdisciplines of pre-algebra, algebra, geometry, and general mathematics.

Senior Natural Resources Specialist. Gutierrez-Palmenberg, Inc.; U.S. Army Yuma Proving Ground; 11/98 - 8/99.

Supervised all contracted natural resource management tasks including: draft and revision of environmental documents by interdisciplinary teams; installation-wide invertebrate survey; and all aspects of the YPG hunting program.

Contract Biologist. Self-employed; various locations; 6/94 - present.

Work included natural resource surveys for species protected under federal, state or local laws, environmental monitoring, natural resource database management and analysis of environmental documents.

Adult Tutor. Prescott College; Prescott, Arizona; 8/98 - present.

Courses on ecology and environmental justice in the Adult Degree Program.

Staff Ecologist/Vice President. Walk Softly Tours; Scottsdale, Arizona; 6/96 - 10/98.

All aspects of development, marketing and operating an ecotour company.

Trailboss/Tour Guide. Rattlesnake Roundup; Scottsdale, Arizona; 6/96 - 10/98.

Arizona Awareness Desert Tours; Phoenix, Arizona; 2/94 - 12/96.

Guiding and supervising half-day group jeep tours into the Sonoran Desert.

Teaching Assistant. Arizona State University; Tempe, Arizona; 9/92 - 5/94.
Taught three sections each semester of laboratory for Plants and Society (BOT 108).

Tortoise Biologist/Environmental Monitor. LSA Associates; Mojave, California; 5/93 - 7/93. Biosystems Analysis, Inc.; California; 5/91 - 2/92.
Surveyed areas in the Mojave Desert and southern/central California for the desert tortoise and other protected species including the San Joaquin kit fox and the blunt-nosed leopard lizard. Relocated tortoises and monitored construction project to ensure compliance with environmental agreements.

Spotted Owl Caller. SWCA Inc.; Utah; Summer 92.
Set up and ran calling routes to census spotted owls in Dixie National Forest.

Animal Technician. Toxikon; Woburn, Massachusetts; 10/90 - 4/91.
Executed acute and chronic *in vivo* toxicology protocols according to FDA protocols. Also executed pesticide residue and heavy metal chemistry test protocols.

Field Biologist. Natural Resource Center; Claremont, California; 5/90 - 8/90.
Work included desert tortoise surveys, small mammal trapping, environmental impact analysis and construction of a tilapia aquaculture system.

Primary Investigator. Eaton Research Grant; Claremont, California; 6/89 - 8/89.
Designed and executed a radio telemetry research study on the western pond turtle.

Research Assistant. Joint Science Department of the Claremont Colleges; Claremont, California; 6/88 - 6/90.

Assisted with soil chemistry, habitat analysis and statistical computations for studies on southern California fairy shrimp (Anostracans).

Instructor. Sycamore Elementary School; Claremont, California. 9/87 - 1/88.
Designed curriculum and taught science enrichment course for grades 4-6.

Grants and Fellowships

Technology Fellowship. Arizona State University West. Summer 2002.

Development of Laboratory Experiments and Lecture Material for the Introductory Biology course (BIO 187/188). Internal Staff Development Grant (\$5000). Arizona State University West. Summer 2002

Awards, Certificates and Volunteer Experience

Certified Community College Biology Instructor - State of Arizona. Honorary Member Sigma Xi Society. Volunteer Experience: Citizens for Growth Management, Sierra Club, Arizona Right to Choose, Scottsdale Chamber of Commerce, Planned Parenthood of Central and Northern Arizona, Arizona Community Protection Committee, Common Cause. Staff Writer - Dry Heat: An Arizona Journal of Ecology and Social Issues. Purple Belt: Kook Sul, Korean martial arts.

Summary of testimony for line sighting committee, Ken G. Sweat

The reasons to reject the Devers power line include serious deleterious impacts to native flora and fauna. The power line would present added opportunities for raven nesting sites and construction activities could facilitate increases in local raven populations. Increased use of areas by ravens could increase predation on desert tortoise populations (Boarman 2002). Translocation of gila monsters during construction will increase mortality (Sullivan et al. 2004), and in general translocation of all animals to avoid human conflicts fails (Fischer and Lindenmayer 1999). Linear utility corridors have been found to have impacts far greater than predicted, and recovery in desert ecosystems may take as long as three thousand years (Lovich and Bainbridge 1999). Impacts to flora would also be significant. Construction and road building activities in desert areas in southwestern Arizona typically produce excessive amounts of dust that cover nearby vegetation. Dust from construction will deflect sunlight, lowering photosynthesis and hence net plant productivity. Assumptions of adaptation to a dusty environment made in the assessment are incorrect-desert soils are often highly stabilized with chemical or biotic crusts.

Boarman, W.I. 2002. Reducing Predation by Common Ravens on Desert Tortoises in the Mohave and Colorado Deserts. Prepared for the Bureau of Land Management. 18 July 2002. U.S. Geological Survey, Western Ecological Research Center.

Fischer, J. and D.B. Lindenmayer. 1999. An assessment of the published results of animal relocations. *Biological Conservation* 96 (2000) 1-11.

Lovich, J.E. and D. Bainbridge. 1999. Anthropogenic Degradation of the Southern California Desert Ecosystem and Prospects for Natural Recovery and Restoration. *Environmental Management* 24 (3) 309-326.

Sullivan, B. Translocation of urban Gila Monsters: a problematic conservation tool. *Biological Conservation* 117 (2004) 235-242.





















